



## State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

Jim Doyle, Governor  
Scott Hassett, Secretary  
Lloyd L. Eagan, Regional Director

Horicon Flyway Center  
N7725 Highway 28  
Horicon, Wisconsin 53032  
Telephone 920-387-7860  
FAX 920-387-7888  
TTY Access via relay - 711

August 10, 2007

Tom Cavitt  
Madison Country Day School  
5606 River Road  
Waunakee, WI 53597

PWSID 11305580  
NN Dané County

Subject: Notice of Noncompliance - Lead Exceeds Action Level

Dear Mr. Cavitt:

Thank you for completing the lead and copper samples collected on July 17, 2007. Unfortunately the 90<sup>th</sup> percentile results of the 5 samples collected in this monitoring period exceeded the lead action level of 15 ug/l. The USEPA Safe Drinking Water regulations require public water systems that exceed the lead action level to complete additional monitoring, conduct a public education program and implement corrosion control treatment as follows:

1. **Please call me at (920) 387-7866 to discuss this matter as soon as possible. I would like to discuss the samples collected July 17<sup>th</sup> and also to discuss additional sampling.**
2. **Begin a public education program as soon as possible, but no later than 60 days after receipt of this letter.** [Per s. NR 809.541(7)] Within 60 days after a public water system exceeds the lead action level, the water system owner or operator shall deliver public education materials to the water system users.

The public education material must contain the language on the enclosed document entitled "Lead Public Education Program". The purpose is to inform your water users about the sources of lead, the health effects of lead, and how to reduce exposure to lead in drinking water. You may add system-specific information to the public education material. Please submit a copy of your final public education material to my attention at the address in the letterhead within 10 days after delivery to your water system users.

Use the language in the attached informational sheet as follows:

- a) Continuous posting of informational posters on lead in drinking water in a public place or common area in each of the buildings served by the system for as long as the action level is exceeded.
- b) Distribute informational pamphlets and/or brochures on lead in drinking water to each person served by the non-transient non-community water system.

You must complete the Public Education program each year until results of one round of samples shows that 90th percentile lead values are below the action level.

3. **Please submit Water Quality Parameter results as soon as possible, but no later than December 31, 2007.** [Per s. NR 809.548(2)]
  - a. Collect water quality parameter samples for the compounds listed below from the entry point (closest faucet to the well after any treatment) and two locations within the distribution system.

- b. Collect another set of samples from these same locations 5-14 days later to reflect any fluctuation in water quality.
- c. Use the enclosed lab slips for reporting water quality parameters.

The Water Quality Parameters are:

- ✓ pH
- ✓ Alkalinity
- ✓ Calcium
- ✓ Conductivity
- ✓ Temperature
- ✓ Orthophosphate or silicate are required only if they are currently added to your system. I don't believe that they are used at your water system, but if I am incorrect please contact me as soon as possible.

Water temperature and pH measurements must be made on site. Conductivity may be analyzed in the field or in a laboratory. Other water quality parameters must be analyzed at a laboratory that uses approved analytical methods as outlined in ch. NR 809.725, WI Adm. Code. You are only required to test for phosphates or silicates if they are currently being added to your system.

In addition, you may also be required to collect water quality samples prior to treatment if you are currently treating to reduce iron or manganese, or to collect samples for other parameters if they will affect your corrosion treatment.

4. **Please submit entry point lead sample by June 30, 2008.** [Per s. NR 809.543(3)(c)] Collect a sample at the entry point (faucet nearest the well) to your distribution system and have it analyzed for **lead** at an SDWA certified laboratory. A lab slip for this analysis is enclosed.
5. **Please submit your recommendation to us as soon as possible, but no later than June 30, 2008.** Per s. NR 809.542(5) and NR 809.543(3) (c) Complete the enclosed desktop evaluation to identify the best corrosion control treatment method for your system. You may wish to hire a contractor familiar with lead in drinking water to assist you with completion of the desktop evaluation.

According to federal regulations, the following types of corrosion control treatment are acceptable:

1. pH and/or alkalinity adjustment;
2. Calcium hardness adjustment;
3. Addition of a phosphate or silicate inhibitor.

One or a combination of the above treatment methods must be chosen to alter the corrosive characteristics of the water. Your recommendation for treatment must include justification based on present water quality.

6. If there is inadequate information available for recommendation of treatment, the department will request that you conduct a treatment study. The Department will respond to your recommendation by **December 31, 2008.**
7. The recommended treatment must be **installed by June 30, 2010.** This installation period includes time for department interim approval, department plan and specifications approval, and fine-tuning of the treatment for your system.

Please submit all information required above to my at the following address:

Sandy Heimke  
Department of Natural Resources  
N7725 HWY 28  
Horicon, WI 53032

Once treatment is installed, we will ask you to complete follow-up lead and copper monitoring to confirm that corrosion control has been optimized.

If you have any questions regarding these follow-up requirements, please call me at (920) 387-7866.

Sincerely,

A handwritten signature in cursive script that reads "Sandy Heimke".

Sandy Heimke  
Drinking Water Specialist  
Phone # (920) 387-7866

Cc: Public Drinking Water Files – DG/2  
Sharon Helt - SCR